

S-935/63

The Direct Measurement of Stacking Fault Energies,
by R. Siems, P. Delavignette, 350p.

GERMAN, per, Zeitschrift fuer Physik, ~~REDACTED~~
Vol CLXV, 1961, pp 502-532.

*JPRS/SF-2868
(Special)

Sci - M/M
Oct 63

62-22145

Gobrecht, H., Tausend, A., and Bach, I.
THE FARADAY EFFECT OF AMORPHOUS SELE-
NIUM FILMS. [1962] 5p.
Order from ATS \$5.50

ATS-76P61G

Trans. of Zeitschrift für Physik (West Germany)
1962, v. 166, p. 76-80.

DESCRIPTORS: *Selenium films, *Magneto-optic
rotation.

- I. Gobrecht, H.
- II. Tausend, A.
- III. Bach, I.
- IV. ATS-76P61G
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-863-GJ

(Physics--Solid State, TT, v. 8, no. 7)

Office of Technical Services

Effective Collision Cross Sections in Scattering
Experiments, by K. Barkling, K. Halbing, et al.
GERMAN, per, Z fuer Physik, Vol CLXVI, 1962,
pp 406-428.
NASA TT F-8880

AEC/M LM-1841

Sci-Phys

Jul 64

U.S. GOVERNMENT ONLY

262,876

Computation of the Temperature Distribution and
Characteristics of a Cylindrical Nitrogen Arc,
by G. Schmitz, J. Uhlenbusch. ¹⁶⁶
GERMAN, per, Zeit Physik, Vol CLXVI, 1962,
pp 460-467.
NASA TT F-10,194

U. S. GOVERNMENT USE ONLY

Sci-Phys

Aug 66

309,652

Group Sessions of Source n, no-Resolutions for Houston
Exercises: Between 12 and 19 Nov, by L. Dornan,
S. Clocks, et al, 34 pp.

GERMAN, par, Zeit Physik, Vol CMEVI, 1962,
pp 147-148: 9212438

ARC-EP-1021

Sci - Phys

341,433

Aug 63

Statistics of the Localised and Non-Localised Spin
Deviations in the Spin Wave Theory, by D. Frank, 17 pp.
GERMAN, per, Z fuer Physik, Vol GLXVI, 1962,
pp 494-503.
AEC-NP-Tr-1088

Sci-Phys
Mar 64

252,991

TT-64-14010

Dannhauser, F.
ON THE THEORY OF THE TWO-BAND MODEL OF
THE GALVANO AND THERMOMAGNETIC TRANS-
VERSAL EFFECTS. [1963] 45p 19refs

I. Dannhauser, F.

Trans. of Zeitschrift für Physik (West Germany)
1962, v. 166, no. 3, p. 519-543.

(Metallurgy, TT, v. 12, no. 2)

Office of Technical Services

REC (ORNL-tr-2553) PRODUCTION OF NEW ISOMERIC
STATES THROUGH PHOTONUCLEAR REACTIONS IN ANTIMONY
AND IN THALLIUM. Engelmann, R.; Hepp, V.; Kluge, E.; Kreh-
biel, H.; Meyer-Berkhout, U. Translated by R. Gregg Mansfield
(Oak Ridge National Lab., Tenn.), from Z. Phys.; 168: 544-52
(1962). 13p. Dep. NTIS.

physics (nuclear); translations 20H

MN-34 P NSA

Issendorff, J. v. and Fleischmann, R.
POLARIZATION OF THE FIELD EMITTED ELECTRONS FROM LONGITUDINALLY MAGNETIZED IRON.
[1962] 12p. 11 refs.
Order from SLA \$1.60

63-10855

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 167, p. 11-19.

DESCRIPTORS: *Field emission, *Electrons, Electron
beams, *Polarization, *Ferromagnetic materials, Iron.

(Physics--Electronics, TT, v. 10, no. 1)

63-10855

I. Issendorff, J. v.
II. Fleischmann, R.

Office of Technical Services

AEO 4(UCRL-Trans-1445) 5ANTIPARALLEL WEISS
DOMAINS AS BIPRISMS FOR ELECTRON INTERFERENCE.
PART II. 6Boersch, H.; Hamisch, H.; Grohmann, K.; Wohleben,
D. 10Translated for Univ. of California Lawrence Radiation Lab.,
Berkeley, from 15Z. Phys.; 167: 72-82(1962). 2014p. 24Dep.
NTIS.

25

26Physics; translations 2720

28MN-34 29P NSA

AEC (SC-T-713054) THERMODYNAMIC EQUILIBRIUM IN
SPARK PLASMAS. Kreml, H. Translated for Sandia Labs.,
Albuquerque, N. Mex., from Z. Phys.; 167: 302-25 (1962). 35p.
Dep. NTIS.

physics (plasma); translations 201

MN-34 P NSA

An Interferometer for Slow Neutrons, by
H. Maier-Leibnitz and T. Springer, 23 pp.
GERMAN, per, Z. Phys, Vol 167, 1962,
pp 386-402.
P911006068
ABC ORNL-TR-1815

Sci-Physics
Feb 68

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62-20332

Haasen, P.
ON THE PLASTIC DEFORMATION OF GERMANIUM
AND InSb. [1962] [11]p. 21 refs.
Order from SLA \$1.60

62-20332

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 167, NO. 4, p. 461-467.

DESCRIPTORS: Plasticity, *Deformation, *Germanium,
*Indium alloys, *Antimony alloys, *Semiconductors,
Crystals, Stresses, Elasticity, X-ray spectroscopy,
Crystal lattice defects, *Intermetallic compounds.

(Physics--Solid State, TT, v. 9, no. 10)

I. Haasen, P.

Office of Technical Services

63-20353

Hillech, R., Kora, D. and Minsigerode, G. V.
ON THE MAGNETIC DETECTION OF THE SUPER-
CONDUCTIVITY OF EVAPORATED METAL FILMS.
[1963] [12p] 6refs
Order from SLA \$1.60 63-20353

I. Hillech, R.
II. Kora, D.
III. Minsigerode, G. V.

Trans. of Zeitschrift für Physik (West Germany)
1962, v. 167, p. 501-510.

DESCRIPTORS: *Thin films, *Metal films, Vapor
plating, *Lead, *Tin, Foils, *Superconductivity,
*Ferromagnetism, Transition temperature, Measure-
ment, Test equipment, Magnet coils, Cryostats.

There is described an apparatus for the detection of
superconductivity and ferromagnetism of a single
evaporated film in the temperature range from 1.5° to
300°K. The observation of the magnetic moment of
the film in a homogenous alternating magnetic field is
(Physics--Electricity, TT, v. 10, no. 11) (over)

Office of Technical Services

Precision Mass Determinations with the
Electric Mass Filter, by U. von Zahn.
GERMAN, per, Zeit fur Physik, Vol 168,
No 2, 1962, pp 129-142.
CIA X-7028

May 69

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On the Dynamics of Reacting Gases, by W. Frie, H. Maecker.
GERMAN, per, Z fuer Physik, Vol CLXVIII, 1962,
pp 206-226.

NASA TT F-8447

Sci - Phys
Fuels % Ppropulsion
feb 64
U. S. GOVERNMENT ONLY

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The β -Spectrum of CS-137, by H. Daniel, H. Schmitt,
8 pp.
GERMAN, per, Z fuer Physik, Vol CLXVIII, 1962,
pp 292-297. 9223465
AEC-Tr-6424

Sci-Phys
Oct 64

267,606

Magnetic Moments of 5 Levels of
Sn¹¹⁸ and Sn¹²⁰, by E. Bodenstedt.
GERMAN, per, Zeitschrift fuer Physik,
Vol 168, 1962, pp 370-385
NTC 72-120438200

June 72

63-20355

Eicher, Hermann.

HYPERFINE STRUCTURE OF NUCLEAR ENERGY
LEVELS IN THE ION CRYSTALS OF RARE EARTHS.

[1963] 38p 34refs

Order from SLA \$3.60

63-20355

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 169, 178-197.DESCRIPTORS: *Hyperfine structure, *Rare earths,
Ions, Crystals, *Nuclear energy levels, Electrons,
Nuclei, Crystal lattice, Relaxation time, Nuclear
moments

Topics include: the Hamilton operator for the inter-
action of the nuclear moments with the electron system;
the interaction between electrons and crystal field; in-
teraction of the electrons with the nucleus; the quanti-
tative partitioning of the nuclear energy level in the
case of a general multipole interaction between the
(Nuclear Physics--Nuclear Structure, IT, v. 10, no. 12)
(over)

1. Eicher, H.

Office of Technical Services

Energy Losses of Electrons in Metals in the Different
States of Aggregation -- Measurements on Silver and
Mercury, by H. Boersch, J. Geiger, 18 pp.

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GERMAN, per, Zeitschrift fur Physik, No 169, 1962,
pp 252-262.

ARM/FSTC/HT-23-645-71

Aug 71

Radial Potential Distribution in High Tension
Arcs, by H. Ringler.
GERMAN, per, Zeitschrift fur Physik, Vol 169,
1962, pp 273-285,
BISI 4536

EE-Germany
Sci/M&M
Feb 66

294,646

Investigations of Superconductivity in the
Niobium-Aluminium System, by K. Rætz, E. Saur.

GERMAN, per, Z. fuer Physik, Vol CLXIX, No 2,
1962, pp 315-322.

*AERE, Harwell 1722

Sci - Chem
Nov 62

Available as AET/1829

Recent Conductivity Measurements on Stressed NaCl
Crystals, by B. Jeszensky, J. Kiss, 4 pp.
GERMAN, per, Zeits fur Phys, Vol CLXIX, 1962,
pp 323-325. 9227331
ACSIIL/64/433

Sci - Phys
May 65

80,360

TT-64-22219

Sander, W.
ELECTRON SPIN RESONANCE OF OXYGEN-CONTAIN-
ING CENTRES IN POTASSIUM CHLORIDE (Elek-
tronenspinresonanz von Kaliumchlorid mit
Sauerstoffhaltigen Zusätzen) D. A. Sinclair, tr. 1964,
14p 14refs NRC Technical Trans. 1120.
Order from NRC \$1.00 NRC C-4882

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 169, no. 3, p. 353-363.

I. Sander, W.
II. NRC-TT-1120
III. NRC-C-4882
IV. National Research
Council of Canada,
Ottawa

(Physics--Solid State, TT, v. 12, no. 5)

Office of Technical Services

Composition and Properties of the Natural Radio-
active Aerosols, by P. H. Wieser, K. Sierstade,
31 pp.
GERMAN, per, Z. fuer Physik, Vol CLXIX, 1962,
pp 386-408. 9223478
AEC-Tr-6423

Sci-Phys
Oct 64

267,334

TT-63-20348

Andress, Bernhard.
ON THE LUMINESCENCE AND ABSORPTION OF ZnO
CRYSTALS. [1963] 18p (figs omitted) 21 refs
Available on loan from SLA TT-63-20348

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 170, p. 1-21.

DESCRIPTORS: *Single crystals, *Zinc compounds,
Oxides, *Crystal structure, *Luminescence, Absorp-
tion spectrum, Spectra (Visible and ultraviolet), Re-
fractive index, Temperature, Electrical conductance,
Impurities

The spectral distribution and polarization of lumines-
cence radiation of synthetic ZnO crystals with various
additions, with excitation by electrons, is investigated
in the long-wavelength ultraviolet and green spectral
range as a function of the temperature and conductivity.
Measurements of the absorption constants for polarized
(Physics--Solid State, TT, v. 11, no. 1) (over)

I. Andress, B.

Office of Technical Services

Measurement of Chain Length for β -Decay of
Fission Products in Thermal Fission of U^{235} , by
P. Ambruster, H. Meister, 28 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol. CLXX,
No 3, 1962, pp 274. 4207629

ABC-Tr-5655

Sci - Phys
Jun 63

231,873

Theory of the Spontaneous Magnetization of Small
Ferromagnetic Particles, by Wolfgang Hellenenthal, 23 pp.
GERMAN, per, Z fuer Physik, Vol CLXX, 1962,
pp 303-319. 9226672
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AEC-UCRL-Tr-1112(L)

Sci-Phys
Feb 65

273,189

Focusing Collision Sequences in Face-Centered Cubic
Crystals, by R. H. Dederichs, G. Leibfried, 27 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol CLXX,
1962, pp 320-335. 9207222

AEC/RF 22-965

Sci - Phys

232,200

May 63

On the Behavior of the 4f-Electrons in Some Rare
Earth Metals Under the Influence of Light, by
Armin Tannhauser, 12 pp.

GERMAN, per, Z fuer Physik, Vol CLXXI, 1962,
pp 526-532. 9217210

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AEC-UCRL-Tr-1001

Sci - Phys
Jan 64

248,386

Production of New Isomeric States Through Photonuclear
Reactions in Antimony and in Thallium, by R. Engelmann.
GERMAN, per, Z. Physik, Vol 168, 1962, pp 544-552.
*AEC/ORNL-Tr-2553

Feb 72

The Nuclear Resonance Absorption of the 113
keV Gamma Rays of HF^{177} , by Werner Wiedemann,
GERMAN, per, Z Angew Phys, Vol 15, No 1, 1963,
pp 7-13.
*AEC

Sci/Phy
Feb 69

A Molecular Beam Detector With Electron Impact
Ionisation and Quadrupole Mass Filter, by
H. G. Bennewitz, R. Wedemeyer.

GERMAN, per, Zeitschrift fuer Physik, Vol CLXXII,
1963, pp 1-18.

SLA π -66-11074

~~AERE~~, Harwell - Tr-964

Sci - Phys

May 63

On Spectroscopic Measurement of Temperature
and Density of Plasmas Without Thermodynamic
Equilibrium, by H. W. Drawin.
GERMAN, per, Zeitschrift fuer Physik, Vol 172,
1963, pp 429-452.
NTC-71-15544-20I

Feb 72

Determination of the Material Functions of a Nitrogen
Plasma at Atmospheric Pressures Up to 15,000° K.
by G. Schmitz, H. J. Patt.
GERMAN, par, Z fuer Physik, Vol CLXXI, 1963,
pp 449-462,
NASA TT F-#457

Sci - Phys
Mar 64

U. S. GOVERNMENT ONLY

251,935

AEC (LA-tr-72-4) EXPANSION OF THE SIEGERT
THEOREM FOR beta TRANSITIONS. Eichler, Joerg. Trans-
lated by Alois David Cernicek (Los Alamos Scientific Lab.,
N. Mex.), from Z. Phys.; 171: 463-75(1963). 19p. Dep.
NTIS.

Physics (nuclear); translations 20H

MN-34 P NSA

Hypersine Structure Splitting in Holmium
Schulz, by S. Hufner.
GERMAN, per, Zell. der Physik, Vol CLXXII,
pp 312-319, 1963
AEC IS-Tr-II

Sci-Phys
Sept 63

290,601

Magneto-Optical and Optical Properties of
Ferromagnetic Layers in Infrared, by K. H. Clemens,
J. Jaumann.

GERMAN, per, Zeitschrift fur Physik, Vol CLXXIII,
No 1, 1963, pp 135-143.

*SLA/A-132

Sci - Phys
Jul 63

Study of Complex and Covalent Iron Compounds Using
the Fe^{57} Mössbauer Effect, by W. Koster, W. Neuwirth,
et al.

GERMAN, *rev.*, *Z. Naturforsch.*, Vol CLXXXII, No 5,
1968, pp 311-346.

PAEC

AERB to 1026

Sci-Phys
Nov 64

TT-64-14630

Hasse, J. and Lüders, K.
THE INFLUENCE OF LATTICE DEFECTS ON
SUPERCONDUCTING TRANSITION TEMPERATURE
OF THALLIUM. [1963] 17p 2refs
Order from SLA \$1.60

TT-64-14630

Trans. of Zeitschrift für Physik (West Germany) 1963,
v. 173, p. 413-421. (Abstract available)

DESCRIPTORS: *Thallium, Wire, Deformation,
*Superconductivity, Transition temperature, *Crystal
lattice defects, Cryogenics

The residual resistance of very pure thallium wires
was increased by plastic deformation at liquid helium
temperatures. The accompanying changes in the super-
conducting transition temperature were measured.
With gradually growing resistance ratio the transition
temperature decreases by some hundredths of a degree.
(Physics--Solid State, TT, v. 11, no. 9) (over)

J. Hasse, J.
K. Lüders, K.

Office of Technical Services

Backscattering of Electrons in the Energy Range
From 60 to 100 keV, by J. K. Bienlein.
GERMAN, per, Zeitschrift fur Physik, No 174, 1963,
pp 91-101.
*AFCRL

Sci/Phys
Feb 70

The Influence of OH Ions on the Absorption Spectrum
and the Ion Conductivity of KCl Single Crystals, by
B. Fritz, F. Lutz, et al.
GERMAN, part 2, *Z. fuer Physik*, Vol CLXXIV, 1968,
pp 240-256.
NASA TT F-8861

Sci-Phys

Jul 64

U.S. GOVERNMENT ONLY

260,968

Febel, A. and Knop, G.
THE ANGULAR DEPENDENCE OF BREMSSTRAHLUNG
ENERGY LOSS OF 1 MEV ELECTRONS. [1963] [21p]
10refs
Order from SLA \$2.60

TT-64-14126

Trans. of Zeitschrift für Physik (West Germany) 1963,
v. 174 [no. 2] p. 257-268.

(Physics, TT, v. 12, no. 1)

TT-64-14126

I. Febel, A.
II. Knop, G.

Office of Technical Services

Lorentz-Transformation o. Heat and Temperaturs, by
H. Ott, 35 pp.
GERMAN, per, Z fuer Physik, Vol CLXXV, 1968,
pp 70-104. 9222222
AEC-Tr-26325

Sci-Phys
Jun 64

259,755

The Superconductivity of Ti- and Zr-Rh-Alloys,
by Ch. J. Rauh, C. A. Andersen, 11 pp.
GERMAN, per, Z. Phys. Vol CLXXV, 1963,
pp 103-114. 9230436
AEC-ANL-Tr-153

Sci-Phys
May 65

279,435

Reflection Experiments With Electromagnetically
Produced Compression Pulses, by Wilhelm Fuchs,
Rolf Thomenhaus, 5 pp.
GERMAN, per, Z fuer Physik, Vol CLXXV, 1963,
pp 257-263.
Navy Tr 3927/NRL 983

Sci - Electron, Phys
Oct 64

268,005

Gas-Thermometer Measurements at High Temperatures.

3. Determination of the Thermo-Dynamic Temperature of Fixed Points Between 419° and 1065° C. by H.

Moser.

GERMAN, per, Zeitschrift fur Physik, Vol. 175, No. 3

1963, pp 327-336

CSIRO/No. 6841.

Sci -

July 1967

334-618

Thermal Expansion of Quartz Glass in the Temperature
Range of 0° to 1060°C., by J. Otto, W. Thomas.

GERMAN, per, Zeitschrift für Physik, Vol. 175, No. 3,
1963, pp 337-344.

CSIRO/No. 6040

NTC 70-11666-20L

Sci -
July 1967

334-619

Resonance Scattering at the 15.1 MeV Level in
 ^{12}C , by H. Schmid, W. Scholz.
GERMAN, per, Z für Physik, Vol CLXXV, 1963,
pp 430-439. 9280574
AEC-SLAC-Tr-20

Sci - Phys
Jan 66

294,307

Electron Spin Resonance Studies of
the Aggregation of F-Centers in
KCl, by M. Schwoerer.
GERMAN, per, Zeitschrift fuer Physik,
Vol 175, 1963, pp 457-479
NTC 72-11920-20F

NASA TT F-11,628

GOVERNMENT USE ONLY

June 72

369,124

Absolute Measurement of the Ionization Yield of
Alkali-Atoms on Metal Surfaces: Part I: Potassium
Atoms on Tungsten and Platinum Surfaces, by
Walter Schoen, 25 pp.
GERMAN, per, Zeit Phys, No 176, 1963, pp 237-252.
AEC/SC-Tr-70-4019

Sci/Phy
Jul 70

Anomalous Flow Characteristics of p-n Junctions
in Silicon, by H. J. Queisser.

GERMAN, per, Zeitschrift fuer Physik, Vol 176
1963, pp 313-322.

NTC 71-14064-20L

Feb 72

Further Growth of Plastically Deformed NaCl
Crystals, by Z. Gyulai, 15 pp.
GERMAN, per, Z fur Physik, Vol CLXXVI, 1963,
pp 370-379.
Dept of Navy 4543/NM Tr 1048

Sci - Chem
Mar 66

297,798

Measurement of the Displacement Energy of a Lattice
Atom in A^{III}B^V-Compounds by Electron Collision, by
R. Bauerlein, 15 pp.
GERMAN, per, Z fuer Physik, Vol CXLXXVI, 1963,
pp 498-509. 9221938
AEC-AI-Tr-86

FTD-TT-65-683

Sci-Phys
May 64

257,480

Electric Quadrupole Moment of the 14.4 ke V-Level
of Fe^{57} , by H. Eicher, 8 pp.

GERMAN, per, Z fur Physik, 171, 1963, pp 582-589.

ARM/RSIC-Tr-931-69

GOVERNMENT USE ONLY

TS

Sci/Phy
Jul 69

383,321

Agency: Picatinny Arsenal
P.O. Req. 66-70a

R-11073-B
24 Nov. 69

Title: Bestimmung von Oszillatorverstärken...
Pg. 297 to 268. (1964).

Author: Hulpke, E., et al.

Source: Zeitschrift für Physik. Vol. 177.

Language: German. 12pp

Special instruction: Please translate & type 1 copy only.

Reflection Experiments With Electromagnetically
Produced Compression Collisions of Higher Mach
Numbers, by Wilhelm Fucks, Rolf Theenhaus, 7 pp.
GERMAN, per, Z fuer Physik, Vol CLXXVII, 1964,
pp 269-273.
Navy Tr 3937/NRL 994

Sci - Phys
Nov 64

268,691

Simple Model for the Interpretation of Thermoluminescence and Thermally Stimulated Conductivity of Alkali Halides, by P. Braunlich, A. Schermann.
GERMAN, per, Zeit fur Physik, Vol 177, No 3,
1964, pp 36-320
INSDOC/T 7221

Sci -
Aug 67

336,675

On the Kinetics of Formation of the
F-aggregation Centers in KCl. Part I.
The Association of F-centers with Monovalent
Impurity Cations (FA-center Formation),
by H. Hartel, Fritz Luty.
GERMAN, per, Z fuer Physik, Vol CLXXVII,
1964, pp 369-384.
*Dept Navy Tr/NRL

Sci - Phys
Apr 65

278,242

Theory of Propagation of X-Rays Wavefield Rays
in the Weakly Deformed Crystal Lattice,
by U. Bonse.

GERMAN, per, Z fuer Physik, Vol CLVII, 1964,
pp 385-423. 9230564

AEC-ORNL-Tr-791

Sci - Elec

Dec 65

292,807

Agency: Naval Research Lab.

P.O.# 00173-9:006248

B-10,117-D

5 Feb. 1969

Author: W. Niak

Title: The absolute intensity of K_{γ} radiation produced
by electron bombardment in a thick Cu target.

Source: Zechr. für Physik, 177 (1964), 424-440.

Language: German 17 pages

Instructions: Translate and type one neat copy;
leave sufficient space for figures and Eqs.;
references may be grouped at end.

Measurement of Extremely Small Amplitude Vibrations
of Plates by Means of Light Beam Modulation,

by G. Sauerbrey, 21 pp.

GERMAN, per, Z Physik, Vol 178, 1964,

pp 457-471/

ARM/RSIC-Tr-1023-70

GOVERNMENT USE ONLY

Sci/Phy

Dec 70

Strong Deflection of X-Ray Wavefield Rays in
Elastically Deformed Crystals, by U. Bonse,
18 pp.

GERMAN, per, Zeitschrift fur Phys., Vol CLXXVII,
1964, pp 529-542, 9230421.

AEC ORNL-tr-792

293,002

Sci-Phys
Nov 65

Contrast at Dislocations in the X-Ray Photo-
graph, by U. Bonse.

GERMAN, per, Z fuer Physik, Vol CLVII, 1964,
pp 543-561. 9230565

AEC-ORNL-Tr-793

CSIRO/NO 7443

Sci - Elec
Dec 65

292,806

Mean Energies and Drift Velocities of Electrons in
Nitrogen, Argon and Xenon, Determined by Image
Intensifier Photographs of Electron Avalanches,
by K. H. Wagner, 31 pp.
GERMAN, per, Zeitschrift fur Physik, Vol CLXXVIII,
1964, pp 64-81, 9230321.
AEC SLAC-tr-19

292,944

Sci-Electronics
Nov 65

The Superconductivity of Ternary B-Titanium
Alloys, by Ch. J. Raub, 6 pp.
GERMAN, per, Zeit. Fuer Physik, 178,
1964, pp. 216-220.
CIA X-7250

AEC/UCRL-TR-1409-70

June 70

Ultrared Absorption and Phonon-Free Transitions
in Radiation-Discolored LiF, by Wolf von der Osten,
Wilhelm Waidelich, 12 pp.
GERMAN, per, Z. fuer Physik, Vol CLXXVIII, 1964,
pp 244-252. 9225848
AEC-SC-T-64-1609

Sci-Phys
Dec 64

270,151

Measurements of the Vibration of Plates
Having Extremely Small Amplitudes by
Modulation of a Light Beam, by
G. Sauerbrey.

GERMAN, per, Zeitschrift fuer Physik,
Vol 178, 1964, pp 457-471.

WTC 72-11206-20K

ARM/RSIC -1023 -70

GOVERNMENT USE ONLY

Key 72

Differential Cross-Sections for the Interaction of
Neutral Molecules. IX. Measurement of the Small
Angle Scattering, by R. Halbing, H. Pauly,
GERMAN, per, Z fuer Physik, Vol CLXXIX, 1964,
pp 16-37.
NASA TT F-9156

Sci-Phys
Jan 65

U.S. GOVERNMENT ONLY

270,909

On the Pictures of Magnetization Structure
Obtained with the Faraday and Kerr Effects,
by M. Lambeck.

GERMAN, per, Zeit. für Physik, Vol 179,
No 2, pp 161-181, 1964 9229599
AEC NP-Tr-1232

Sci-Phys
Nov 65

291,968

Comment on the Multiple Emission of Secondary
Electrons, by R. Kollath, K. H. Simon.
GERMAN, per, Z für Physik, Vol CLXXIX, 1964,
pp 274, 275. P911083966
AEC-ORNL-tr-1266

Sci - Elec
Jul 66

305,841

Investigations on the Multiple Emission of
Secondary Electrons, by Peter Haussler,
GERMAN, per, Zeitschr. f. Physik, Vol 179,
1964, pp 276-284. P911068866
AEC ORNL-tr-1267

Sci/Physics
Oct 66

311,471

Photodielectric Effect in Cadmium Sulphide
Crystals, by I. Broser & P. Brumm, 14 pp.
GERMAN, per, Zeitschrift für Physik, Vol 179,
1964, pp 367-378. P500092468-V
Dept of Navy NIC tr 2592

Sci/Phys
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